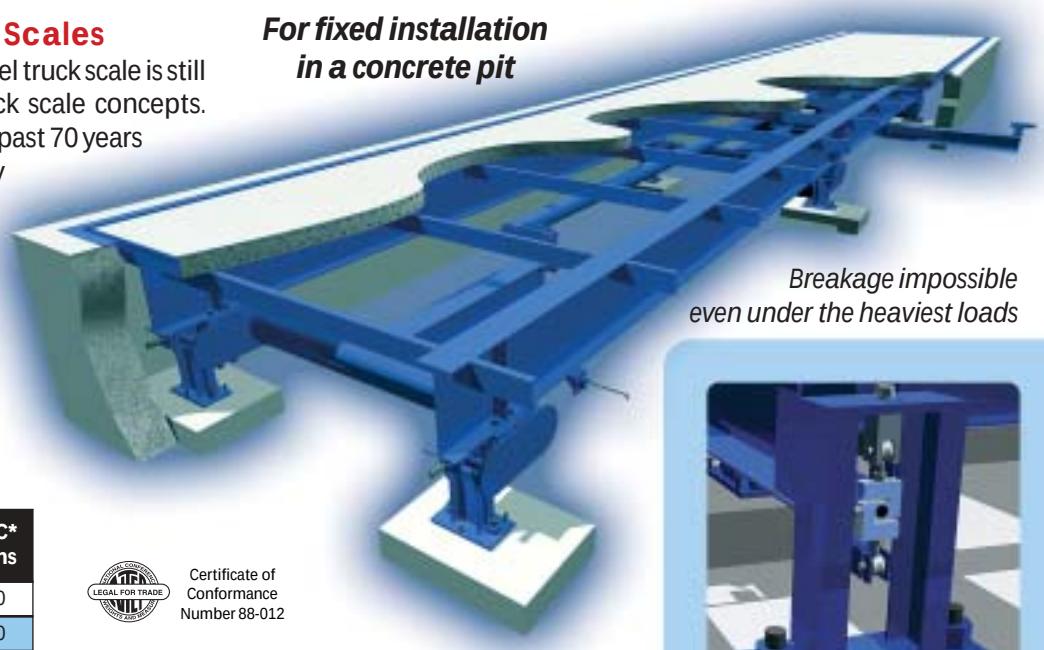
Electro-Mechanical Pit Type Truck and Axle Load Scales

Electro-Mechanical Truck Scales

This original heavy-duty welded steel truck scale is still considered the benchmark in truck scale concepts. Thousands of installations over the past 70 years are testimony to its superior quality and long-term accuracy. Since its introduction, Cardinal has continued to modernize and improve its design: only four main levers with one transverse lever on the four section scale and two main levers with one transverse lever on the two section scale.

For fixed installation in a concrete pit



Breakage impossible even under the heaviest loads

Certificate of Conformance Number 88-012

Designed for Concrete Deck

Model	Platform Size	Ton Cap.	CLC* Tons
3024SRL	24' x 10'	30	30
3034SRL	34' x 10'	50	30
40403SRL	40' x 10'	50	30
6050-SRL	50' x 10'	60	30
6060-SRL	60' x 10'	60	30
6070-SRL	70' x 10'	60	30
6080-SRL	80' x 10'	60	30
8050-SRL	50' x 10'	80	45
8060-SRL	60' x 10'	80	45
8070-SRL	70' x 10'	80	45
10060-SRL	60' x 10'	100	60
10070-SRL	70' x 10'	100	60
10080-SRL	80' x 10'	100	60
10090-SRL	90' x 10'	100	60
100100-SRL	100' x 10'	100	60

Other sizes and capacities readily available.
*CLC = **Concentrated Load Capacity:** The maximum axle-load concentration for a group of two axles with a center line spaced 4' apart and an axle width of 8' that can safely be applied to the scale.

Special Features Show Cardinal's Superiority

- Welded steel construction provides more strength and dependability, which means less downtime, less maintenance, and high shock resistance.
- Pivots operate on a 90° angle with the flow of traffic to assure long, trouble-free performance.
- Fewer levers in the Cardinal design means less maintenance, fewer points of friction and fewer points of calibration error.
- Double-link suspension with hardened contacts points prevent motion of the platform being transmitted to the lever system.
- Modern, clean-cut design.
- Longer life.

Advantages of both mechanical and electronic scale systems are combined. With the dependability of the lever system and one Cardinal strain gauge load cell, weight indication and recording instruments can be located away from the scale platform.

Cardinal's Double-Link Suspension System eliminates shock, saves wear on pivots and bearings and prolongs the scale life. The unique suspension construction maintains the bearings in a permanent position on the knife edges and prevents them from rubbing or sliding on the knife edges.

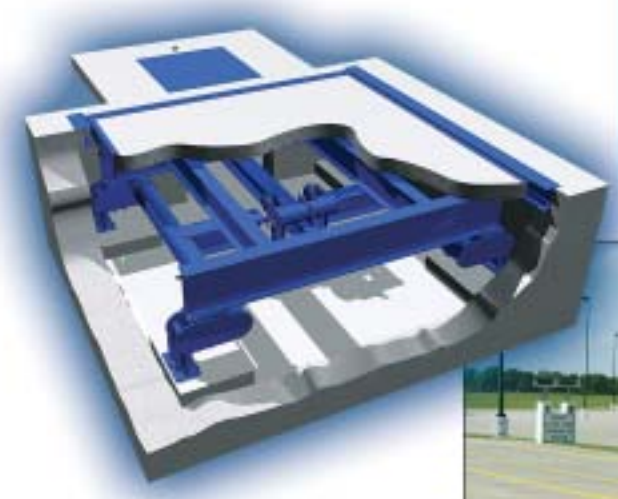
Pit Type Axle Load Scales

You can depend on Cardinal's all-steel welded axle load scales to determine whether individual axle loads are within legal limits. These ruggedly-designed axles load scales are to be permanently installed in a concrete pit and utilize the unique features of Cardinal's truck scales, thus assuring a lifetime of dependable service beyond that which it will receive under the most severe usage.

Axle Load Scales

Model	Platform Size	Ton Cap.	CLC Tons
3010ASRL	10' x 10'	30	30
3012ASRL	12' x 10'	30	30
3014ASRL	14' x 10'	30	30

Not "Legal for Trade"



Provides speedy, accurate weights of individual axles, determining whether individual axle loads, as well as gross weight, are within legal limits.